Activities of the Permanent Service for Mean Sea Level (PSMSL) over the past two years

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Mean Sea Level Dataset
Citations of PSMSL Dataset

- 401 papers in 6 years
- 2 Nature
- 2 Nature Communications
- 2 PNAS
- 5 Journal of Climate
- 1 Reviews of Geophysics
- 34 GRL
- 64 JGR
Other Activities

• PSMSL responds to requests for information from national tide gauge agencies, decision makers, the media, members of the public
• Involved in training courses, supporting small island states through UK Foreign Office funding, particularly in the Caribbean.
• Development of products and code:
  • Interactive sea level trends explorer
  • Bottom pressure recorder de-drifting code
  • Prototype automatic quality control of tide gauge data
GNSS Multipath Reflectometry
GNSS MR Timeseries

![Time series graph showing reflector height over a period from Jul 19 to Jul 27, 2018. The graph displays periodic variations in reflector height, indicating tidal or similar water level changes.]
Improvements to Metadata – FAIR Data

What is FAIR DATA?

- **FINDABLE**: Data and supplementary materials have sufficiently rich metadata and a unique and persistent identifier.
- **ACCESSIBLE**: Metadata and data are understandable to humans and machines. Data is deposited in a trusted repository.
- **INTEROPERABLE**: Metadata use a formal, accessible, shared, and broadly applicable language for knowledge representation.
- **REUSABLE**: Data and collections have a clear usage licenses and provide accurate information on provenance.
Notable News

- Former director Philip Woodworth has been elected as an IUGG fellow
- Lesley Rickards, director since 2007, has stepped down
- Replaced by Elizabeth Bradshaw, who has worked alongside the PSMSL for many years